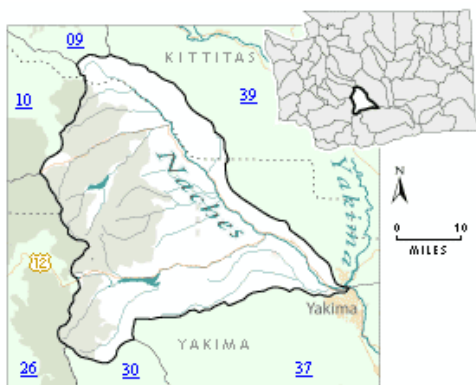


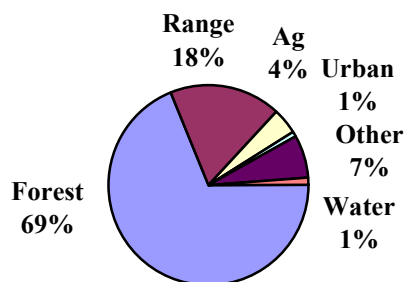
Naches Basin - WRIA #38



WRIA #38 encompasses about 709,990 acres. This watershed is located within the Eastern Cascade Slope, Cascade, and Columbia Basin ecoregions. It receives nearly 46 inches of rainfall per year.

Demographics

Land use in the Naches Basin



Land Base (in acres)

Federal	510,751	71.9%
State	60,590	8.5%
Local	-0-	-0-
Tribal	139	<.1%
Private	138,510	19.5%

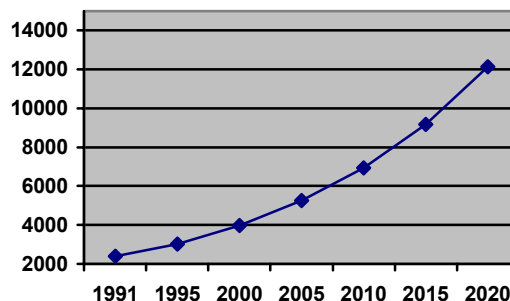
Principal Economic Activity (as total wages)

Agriculture/Forestry	21%
Services	20%
Retail Trade	15%
Government	14%
Manufacturing	12%

Population

There are approximately 4,006 people living in the Naches Basin. The primary population centers are Yakima, Tieton, and Naches. The majority of people live in unincorporated areas.

Projected population trends



Counties

Yakima (90%) Kittitas (10%)

Special purpose districts

Conservation Districts: North Yakima

Irrigation Districts: Yakima-Tieton; South Naches; Naches-Selah; Wapato

Principal Cities

Yakima
Naches
Tieton

Reservation Lands

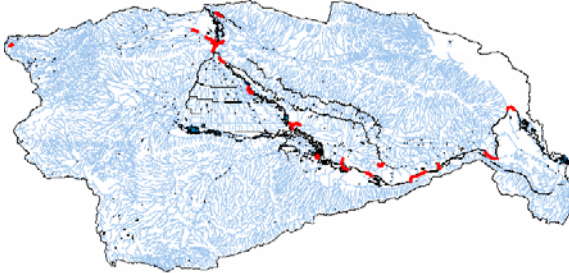
None

General Landscape

High mountains, plateaus, and buttes, both glaciated and unglaciated. Perennial streams are high to medium gradient. Typical soils include stony loam, sandy loam, and gravelly loam. Potential natural vegetation is ponderosa pine, bitterbrush, Oregon white oak, grand fir, and Douglas fir. Mean temperature ranges from 16/35° (winter) to 47/82° (summer).

Surface Water Quality

303(d) listed waterbodies



1. 303(d) Listed Problem Areas

Fecal Coliform in Cowiche Creek

High Temperature in American River, Bear Creek, Blowout Creek, Bumping River, Cowiche Creek, Crow Creek, Gold Creek, Little Naches River, Little Rattlesnake Creek, Mathew Creek, Naches River, Nile Creek, Rattlesnake Creek, Reynolds Creek, and Tieton River

pH in Naches River

Metals in Naches River

Low Instream Flows in Cowiche Creek

Ammonia in Myron Lake

Total Maximum Daily Loads

5 TMDLs required from the 1998 303(d) list

2. Impacted Beneficial Uses

Groundwater Quality

Nitrates – Levels detected > 5 mg/L

Pesticides – Have been detected in public wells

Sole Source Aquifer

None

Water Quantity

Over appropriated; low growth

Air Quality

(From windblown dust)

No concerns

Public Health

Commercial Shellfish Growing Areas

None

Domestic Water Supply

No significant use of surface water sources

Salmonid Stock Status

Impaired

3. Water Quality Programs

1. US Forest Service Watershed Analysis for: Little Naches; Naches Mainstem; Wenas Creek; Bumping and American River; upper and lower Tieton; Oak Creek; and Rattlesnake Creek.
2. DNR Watershed Analysis for Naches Pass; Cowiche Creek; and Reynolds Creek.
3. Water Quality Monitoring, North Yakima CD
4. Conservation Reserve Enhancement Project (CREP), NRCS
5. US Forest Service Northwest Forest Plan
6. Upper Yakima Valley Wellhead Protection, Yakima County
7. Yakima Basin Water Quality Plan, Yakima Valley Conference of Governments
8. Enclose irrigation canal, Naches-Selah Irrigation District
9. Water Efficiency Program, North Yakima CD
10. Water Quality Monitoring Program, North Yakima CD
11. Riparian Restoration Program, North Yakima CD
12. Water Quality Implementation Program, North Yakima CD
13. Yakima River Watershed Plan, Yakima County/Multiagency